

**Commonwealth of Kentucky**  
**Division for Air Quality**  
***EXECUTIVE SUMMARY***

FINAL

Title V, Operating

Permit: V-08-008

Hanson Brick East, LLC dba Hanson Brick

Frankfort, KY 40601

November 12, 2008

Robert L. Williams, Reviewer

SOURCE ID: 21-197-00001

AGENCY INTEREST: 3798

ACTIVITY: APE20080001

**SOURCE DESCRIPTION:**

On March 5, 2008, Hanson Brick East, LLC dba Hanson Brick (formerly U.S. Brick – Sipple Division) submitted a Title V Operating Permit renewal application to the Division. As part of this renewal request Hanson Brick is requesting a permit restriction that limits the facility to operating only one kiln and dryer, the “Old” Lingl Kiln and Dryer, emission point 02 (02). The operational authority for the “New” Lingl Kiln and Dryer will be rescinded with the issuance of the renewal permit. Hanson Brick operates a brick manufacturing plant at 2014 Morris Creek Road in Stanton, Kentucky. The primary SIC code for this facility is 3251.

Clay is mined and stored on site. After the clay is crushed, screened and sized for manufacturing, it is mixed with sand (75% clay to 25% sand) in a pug mill while water is added. Bricks are formed through a die and cut operation. After cutting, the brick is dried and vitrified, employing two natural gas-fired kilns.

The raw material handling equipment is enclosed in a large building and consists of a receiving hopper, grinder, two screens and associated conveyors, installed in 1971, and a primary crusher, screen and conveyor, added in 1992. Fugitive particulate emissions are collected by hoods and vented to a large baghouse located outside the building.

Two natural gas-fired tunnel dryer/kilns were installed in 1971 and 1980. Both were modified to burn coal in 1984 and 1985, however, use of coal as a fuel was discontinued by 1992. Neither kiln is equipped with air pollution control equipment.

A brick crushing operation was added in 1996. Equipment includes a feed hopper, primary crusher, double screen, and conveyors. Fugitive particulate emissions are controlled by wet suppression.

Hanson Brick is currently operating under:

**Permit V-04-017**, signed February 27, 2004, which covers their raw material handling, brick dryer / kiln operation, crushing and screening, brick crushing operation, and the haul road and yard area.

**U.S. EPA REVIEW:**

The U.S. EPA was notified of the issuance of the proposed permit on September 26, 2008 via e-mail. The comment period expired 45 days from the date of e-mail. No comments were received during this period. The permit is now being issued final.